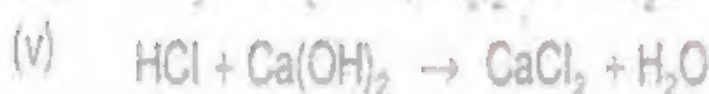
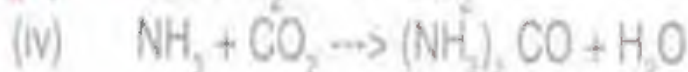
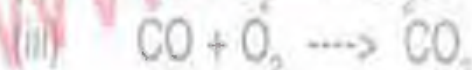


## Section-B

### (Short Answer)

Note: Answer any EIGHT of the following questions. Each question carries 05 marks.

- Q.2 Define chemistry and describe its importance.
- Q.3 What is the difference between Empirical formula and Molecular formula?
- Q.4 State five uses of hydrogen.
- Q.5 What do you understand by long form of periodic table?
- Q.6 Write the characteristics of covalent compound.
- Q.7 What do you mean by liquid? Describe the Interchange of liquid to gas.
- Q.8 Differentiate between Solution and Suspension.
- Q.9 State the structure of Diamond or Graphite.
- Q.10 Define heat of neutralization. What would be the value of heat of neutralization, when strong acid reacts with strong base?
- Q.11 Nitrogen is one of the major components of air. How can you get nitrogen from the atmospheric air?
- Q.12 What is plastic sulphur and why is it elastic?
- Q.13 Balance the following equation:



## Section-C

### (Descriptive Answer)

Note: Answer any TWO of the following question.

- Q.14(a) Describe the construction and working of dry cell.
- (b) The pOH of a solution is 9.40 Calculate the  $(\text{H}^+)$  ion concentration.
- Q.15(a): State the Law of Reciprocal Proportion and illustrate with example.

(b) What are distinguishing characters of electron, proton and neutron?

Q.16(a): How is chlorine prepared in the laboratory?

(b) Explain the main sources of organic compounds.